

Education

- 2021–2022 **École Normale Supérieure Paris-Saclay**, 2nd year of Master's degree in applied mathematics and machine learning "**Mathématiques/Vision/Apprentissage (MVA)**", Gif-sur-Yvette.
- 2020–2021 **École Normale Supérieure-ICFP**, 2nd year of Master's degree in physics "**Soft matter and biological physics ENS-ICFP**", ENS, Paris-Saclay University.
- 2018–2019 **École Normale Supérieure Paris-Saclay**, Licence S.T.S. **Fundamental physics**, ENS Paris-Saclay, Cachan, Orsay.
- 2015–2018 **Scientific CPGE PCSI / PSI*** (preparatory classes), *Clemenceau High School*, Nantes.

Research

- 2022-2024 **PhD thesis (in progress)**, *TIMC-Grenoble & Gulliver laboratory (ESPCI)*.
 - "Generative models for Genome Organisation" under the supervision of Ivan Junier & Olivier Rivoire.
- 2022 **Research internship**, *Centre Borelli (ENS Paris-Saclay)*.
 - Human motion analysis via graph signal dictionary learning (5 month internship with the lecturer Laurent Oudre).
- 2021 **Research Internship**, *Collège de France (CIRB)*, Paris V.
 - Inference of generative models for bacterial genome from natural sequences (4 month internship with the CNRS researcher Olivier Rivoire).
- 2019 **Research Internship**, *Plasma Physics Laboratory at Polytechnique*, Gif-Sur-Yvette.
 - Study of density and potential fluctuations in a magnetised toric plasma (with the lecturer Pierre Morel).
- 2019 **Research Internship**, *Research Laboratory in Hydrodynamics, Energy and Atmospheric Environment (LHEEA)*, Centrale Nantes.
 - Study of the performances of the small swell water tank beach.

Conference attendance

- 2024 **46th Annual International Conference of the IEEE Engineering in Medicine and Biology Society**, *Orlando, Florida, USA*.
 - Short Talk "Graph dictionary learning for the study of human motion"
- 2024 **Journées de la Physique Statistique**, *Paris*.
 - Short Talk "Generative models of Protein sequences"
- 2023 **5th course on Multi-scale Integration in Biological Systems**, *Institut Curie*, Paris.
 - Short Talk "Generative models of Protein sequences"
- 2023 **Biological sequence variation from statistical modeling to structure, function, and evolutionary dynamics**, *Institut d'Études Scientifiques*, Cargèse.
 - Poster "Overcoming Undersampling in Generative Models for Biological Sequences"
- 2023 **Rencontres Alphy & AIEM, Génomique évolutive Bioinformatique, Alignements, Phylogénies, Approches interdisciplinaires en Evolution Moléculaire**, *Université de Grenoble Alpes*.

Teaching

- 2023-2024 **Oral examination in Physics and Chemistry (CPGE "Khôlle")**, *Lycée Descartes*, Tours.
- 2023 **Practical works in physics**, *Sorbonne Université, campus Jussieu*, Paris V.
 - Supervision of L1 students for practical work in physical mechanics during 1 semester.
- 2023 **Numerical physics projects**, *Sorbonne Université, campus Jussieu*, Paris V.
 - Supervision of L1 students for numerical physics projects (in python) during 1 semester.
- 2019 **Teaching Internship**, *Lycée de Cachan*, Cachan.
 - 2 hours per week in a class to help a teacher during practical work in physics.

Other

Advanced English

Cambridge Certificate in Advanced English (level C1)